

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Priority Application Serial No.10/229,887
Priority Filing DateAugust 27, 2002
InventorEugene Marsh et al.
AssigneeMicron Technology, Inc.
Priority Group Art Unit2822
Priority ExaminerJamie Lynn Brophy
Attorney Docket No.MI22-2461
Title: Atomic Layer Deposition Methods

INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 C.F.R. §§ 1.56, 1.97 AND 1.98


In compliance with 37 C.F.R. §§ 1.56, 1.97 and 1.98, your attention is directed to the United States patents and other references listed on the attached Form PTO-1449. No admission is made regarding whether all the submitted references are prior art.

The listed references were cited by, or submitted to, the Office in the parent, co-pending application of the above-identified application. The above-identified application is a continuation application of co-pending application Serial No. 10/229,887, filed August 27, 2002. Such prior disclosure is sufficient for the above-identified application as far as copies of the references are concerned. 37 C.F.R. § 1.98(d) and MPEP § 609(2).

Citation of these references is respectfully requested.

Respectfully submitted,

Dated 12-12-03

By: 
Mark S. Matkin
Reg. No. 32,268

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| Form PTO-1449 | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY. DOCKET NO. MI22-2461 | SERIAL NO. PRIORITY 10/229,887 | | |
| LIST OF ART CITED BY APPLICANT (Use several sheets if necessary) | | | | APPLICANT: Eugene Marsh et al. | | | |
| | | | | FILING DATE PRIORITY August 27, 2002 | | GROUP PRIORITY 2822 | |

| U.S. PATENT DOCUMENTS | | | | | | | |
|-----------------------|----|-----------------|---------|-------------------|-------|----------|----------------------------|
| *Examiner's Initials | | Document Number | Date | Name | Class | Subclass | Filing Date If Appropriate |
| | AA | 5,925,411 | 07/1999 | van de Ven et al. | 427 | 248.1 | |
| | AB | 6,270,572 B1 | 08/2001 | Kim et al. | 117 | 93 | |
| | AC | 6,301,434 B1 | 10/2001 | McDiarmid et al. | 392 | 416 | |
| | AD | 6,305,314 B1 | 10/2001 | Sneh et al. | 118 | 723 | |
| | AE | 6,355,561 B1 | 03/2002 | Sandhu et al. | 438 | 676 | |
| | AF | 6,403,156 B2 | 06/2002 | Jang et al. | 427 | 255.34 | |
| | AG | 6,426,307 B2 | 07/2002 | Lim | 438 | 778 | |
| | AH | 6,468,924 B2 | 10/2002 | Lee et al. | 438 | 763 | |
| | AI | 6,475,286 B1 | 11/2002 | Frijlink | 118 | 719 | |

| FOREIGN PATENT DOCUMENTS | | | | | | | | |
|--------------------------|----|-----------------|------|---------|-------|----------|-------------|----|
| | | Document Number | Date | Country | Class | Subclass | Translation | |
| | | | | | | | Yes | No |
| | AJ | | | | | | | |
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| OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.) | | | |
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|-----------------------|----|-----------------|---------|--------------------|-------|----------|----------------------------|
| *Examiner's Initials | | Document Number | Date | Name | Class | Subclass | Filing Date If Appropriate |
| | AA | 6,482,262 B1 | 11/2002 | Elers et al. | 117 | 84 | |
| | AB | 6,534,395 B2 | 03/2003 | Werkhoven et al. | 438 | 627 | |
| | AC | 6,585,823 B1 | 07/2003 | Van Wijck | 117 | 89 | |
| | AD | 6,586,343 B1 | 07/2003 | Ho et al. | 438 | 758 | |
| | AE | 20010024387 | 09/2001 | Raaijmakers et al. | 365 | 200 | |
| | AF | 20010041250 | 11/2001 | Werkhoven et al. | 428 | 212 | |
| | AG | 20010050039 A1 | 12/2001 | Park | 117 | 102 | |
| | AH | 20010054381 A1 | 12/2001 | Umotoy et al. | 118 | 715 | |
| | AJ | 6,613,587 B1 | 09/2003 | Carpenter et al. | 345 | 473 | |

| FOREIGN PATENT DOCUMENTS | | | | | | | | |
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| | | Document Number | Date | Country | Class | Subclass | Translation | |
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|-------------------------|----|--------------------|---------|---|-------|----------|-------------------------------|
| *Examiner's Initials | | Document Number | Date | Name | Class | Subclass | Filing Date If Appropriate |
| | AA | 10/132,003 | | Dando et al. (as filed) | | | 04/24/02 |
| | AB | 10/132,767 | | Dando et al. (as filed) | | | 04/24/02 |
| | AC | 10/150,388 | | Mardian et al. (as filed) | | | 05/17/02 |
| | AD | 6,620,253 B1 | 09/2003 | Dando et al. | 369 | 124.07 | |
| | AE | 10/163,689 | | Derderian et al. (as filed) | | | 06/05/02 |
| | AF | 10/208,314 | | Castrovillo et al. (as filed) | | | 07/29/02 |
| | AG | 10/222,282 | | Sarigiannis et al. (as filed and amended) | | | 08/15/02 |
| | AH | 10/222,304 | | Sarigiannis et al. (as filed) | | | 08/15/02 |
| | AI | | | | | | |

| FOREIGN PATENT DOCUMENTS | | | | | | | | |
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